Unit 1:

Chaplie 1. INTRODUCTION TO COMPUTER GRAPHICS

Applications of etimpulie (prophies (prophies)) Usix Intéface: et etimpulie (prophies) used to réalizant millier vanions devices unique (prophies n's used to réalizant millier vanions devices unique (prophées) use entrépace, relatile ted to easy introublem.

2) Plotting: Plotting of Graphs and charles.

This is an area of compular Graphics which uses 2D and 3D graphs
to informat data in engineeing swience of technical fields.

3) Office Automation ey elutionic publishing.

This field uses computer tyraphies for endion and dis se dispersionation of rhypormation which makes use of enhouse friending & publisher of various downwhations.

4) e Onyalin Aided deafling and design.

In LAD, Enhanderi lyraphies n'es used for designing various components

l'expless e Orresponding to eluterical, mechanical, eluteronies, civil,

l'otheré folds.

5) Semulation & Animalian.

Dought Graphie n's used for semulation of various Real time models
in prime & tulnology & is also used for different character
animalians on entitainment.

e). Ast And Commerce.

Onis field use compulie Graphers for cenating rations malisher feilness.

What promotes the Trade and commerce.

a). Process control.

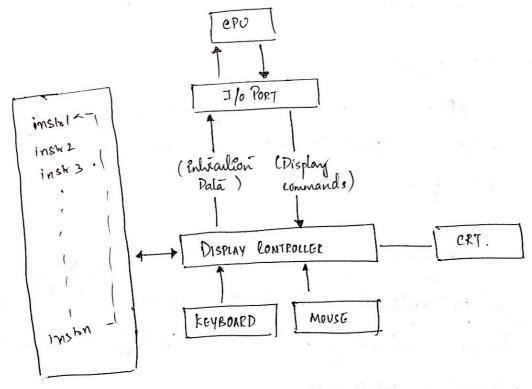
In this field, campula graphies n'es used to pum auto natically control
that randons processes that takens flare an a distance.

8) lasto Graphy

This n's this was which use compular graphies for experientation of various Geographic recalled maps & so on.

VECTOR DISPLAY SYSTEM.

Aribitechiri of Velox display system.



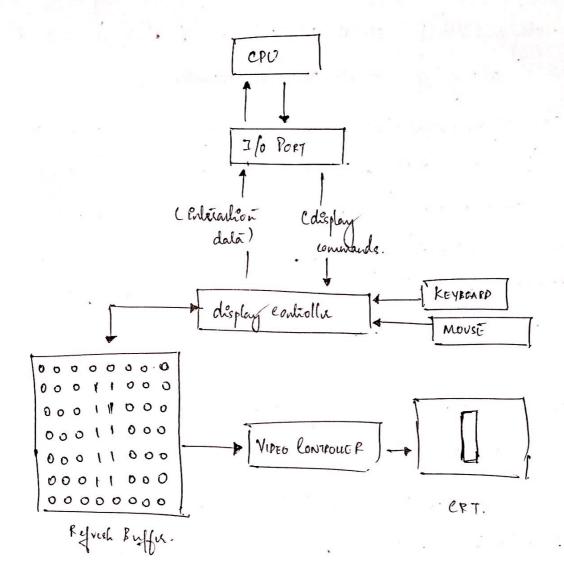
DISPLAY BUFFER MEMORY

- Ohr desplay buffer memony slows the sequence lest of rentralions that of sequences for flotting display on the seven their set of rentralions are collularly called as display Programs display controlled their rentralion from the display program of exembs sends that covereponding signals that controls the display program of the ext manifes to display their sequences in the display that head of the ext manifes to display their sequences image on the monitories.
- In Vector désplay system. Bean is definited from end foint to end point tenne set n's called on Random Seay.
- Ihr Instantions in display buffer much to be executed impeatedly to avoid
 the flickering of screen since, elutionic beam deflected on the
 Thosphos coaling gets decade after decayed after a small span of
 time. Hence, this Buffer is also ealled as REFRESH BUFFER.

DISADVANTAGE .

- 1) expusive
- @ ou dhe rinstruction size rucreases, mose the chances of Serien Hickory.
- Dean plot only mage like tine.

ARCHITECTURE OF RASIER DISPLAY SYSTEM.



- p the this display system was untioduced to onecome displaying of vandom pean tuhungue. As shown in above figure, the display image its stand in the form of 1's and o's in the Refush buffer.
- rignered for desplay from the User & convuls the commands the commands the commands the stream of o's & 1's-f slove on Refush buffer:
- -> Vioco lowikouer their rente prits each bits of o's & 1's from the refush briffs & froduce the Emage on screen by wellied of scarning on him at a limit from top to bottom & then

- DIFFERENCES OF RASTER AND VECTOR.

VECTOR SLAN.	PASTER SCAN .
Beam n's moved blue END POINTS.	One scanding at 10 -
	løp to bottom & then back to løp in Jexed devulion.
nostimble bucoms los Large.	-> display is Endependent of the instantions.
No 8 can - Christian	-> ean convision às required.
-> P no tous san eOnversion hardware	-> sun convision hardware is highered.
-+ @ produm smooth display	-+ produce gagged display.
- De can drave Only line of characters	- ean display anything